



# STAFF REPORT

Michigan Department of Environmental Quality, Waste Management Division

US EPA RECORDS CENTER REGION 5



Groundwater/Pt.31

Hazardous Waste/Pt.111

X Solid Waste/Pt.115

☐ Liquid Ind.Waste/Pt.121

☐ Scrap tire/Pt.169

☐ Other \_\_\_\_\_

☐ Complaint Inspection

☐ Compliance Inspection

☐ Construction/Closure Inspection

☐ Permitting Inspection

☐ PEAS Investigation

☐ Corrective Action

☐ Sampling Inspection

☐ Telephone Call

☐ Meeting Notes

☐ Other\_complaint\_\_\_\_\_

Facility/Site Name Williamsburg Receiving	Date/Time 1/11/02
Address Angell Road, Williamsburg	Facility/Site Number
Participants/Contacts Janice Heuer, Sy Paulik	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

Call was received by Sy Paulik approximately 11:30 that Williamsburg Receiving was burning in a dumpster. Drove to site and arrived around 1:00 P.M. Dumpster in the east end parking lot was smoldering. An electrician was working nearby. (Advance Electric).

Observed smoldering dumpster, photographed it, looked at the contents, and began to drive to Williamsburg Receiving office. Stopped by the electrician and asked if he had disposed of electrical waste in dumpster. He indicated that he had. Walked to the dumpster with the electrician and pointed to the wire. He said it was his and removed it. He said some Williamsburg employees had told him to put his waste in the dumpster as it was burning. Some of the wire was already down to bare wire-ash. He asked if he should remove the smoldering wire, and we said "not necessary at this point".

Went to business office and asked for Chris Hubbel. Workers in the office said he was out to lunch. Janet Hubbel (wife of Chris) and Jenny Bratschi (sister of Chris) were the workers interviewed. They admitted that the business burns pallets in the dumpster. I said there was more than pallets that were burning, and described what we saw. They complained of several additional illegal burns that occur with regularity in the neighborhood. We indicated that it is illegal to burn solid waste generated by a business. They asked if they should not burn pallets. I said that to be safe they shouldn't burn anything because it appears that the waste is not just pallets. (I wasn't sure if there is an exemption for pallets. I had to check the act.)

Returned to the dumpster again to identify more waste. Observed a drain pipe leading from the dumpster that was dripping water into puddles next to the dumpster. Sheen on water. Photographed pipe and water sheen. The following material was noted in smoldering ash: melted plastic, pipe sections, drum (small 10-20 gallon), fiberglass batts, fiberglass board, wire, brick, metal, tin cans, wire mesh, propellant type of can.

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Shane Nixon, AOD, Sy Paulik, SWAO

Signature

*Janice Heuer*

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## STAFF REPORT

Michigan Department of Environmental Quality, Waste Management Division

04/04/02

X Groundwater/Pt.31  
 Hazardous Waste/Pt.111  
 Solid Waste/Pt.115

☐ Liquid Ind.Waste/Pt.121  
☐ Scrap tire/Pt.169  
☐ Other \_\_\_\_\_

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☐ PEAS Investigation

☐ Corrective Action  
☐ Sampling Inspection  
☐ Telephone Call  
☐ Meeting Notes  
☐ Other\_complaint \_\_\_\_\_

Facility/Site Name Williamsburg Receiving	Date/Time 4/4/02
Address Angell Road, Williamsburg	Facility/Site Number
Participants/Contacts Janice Heuer, Sy Paulik	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

Asked to see if Rick Banwell was available to answer questions. Banwell was available but Chris Hubbel and Ed Roy preferred to accompany us. We indicated that we wished to clarify where the pipes that lead to the ditch on Munro Road originate. Also requested the information from the March 11, 2002 meeting. We were looking for (1) the monitoring data for the groundwater discharge permit, (2) technical and operation data on the brine pits in order to see if a variance from secondary containment standards can be approved, (3) information on the new irrigation areas, and (4) to remind them to submit a revision to the NPDES permit if they wish it to remain active for the new discharge point.

Banwell indicated he had the groundwater permit data (CMR's) and would send it out next week Monday or Tuesday. Hubbel warned me that some of the information is rough estimates based on pumping time. I indicated he could write this on the submittal, but that an estimate is better than nothing. At one point Hubbel stated he has the brine liner information and would send it in along with the groundwater permit data.

Walked the site with Roy and Hubbel. The pipes that lead to Munro Road originate from the stormwater collection ditches dug adjacent to the parking lot and brine pits. We discussed that samples of this water had been collected and was high in BOD, and this was why we wanted to look at the source of the water. Some of the stormwater basin is grown in with cattails. Hubbel stated he plans to dig these areas out to expand their holding capacity. Photo's taken.

Viewed the holding lagoon for the groundwater discharge. I stated I was concerned that the pond might be filling up, but was pleasantly surprised that the water level was relatively low. Hubbel pointed out that the entrance pipe is about six feet high, and that the water level is above that, so there is at least six feet of water in the lagoon bottom. I reminded Hubbel that there is no air break in the line, and that siphoning has occurred in the past. He said there are three check valves to prevent this from happening. I reminded him that he blew out pumps and check valves in the past. We observed that a pipe could be place on the top of the lagoon berm and that rip rap down the sides could prevent erosion. This would allow an air break without the expense of a structure.

No odors detected at the pond. Some erosion observed in fields near the pond. Hubbel stated the area in front of the new house has been irrigated in March after the Lansing meeting (March 11). This area was completely saturated with many ponded spots. He said they were no longer irrigating there because of the ponding. The soil in this area is completely bare of vegetation due to construction. The water in the pond appeared brown and silty. Erosion from the pond sidewalls is evident.

We also discussed the need for the Facility to state in writing the intention to use the newly purchased fields to the north. WMD will require information regarding soil type, acreage, volume to be applied etc. in order to determine whether or not the proposal is a "major" or "minor" permit modification. If it is determined to be a minor modification WMD may be able to approve the additional discharge with a letter. Otherwise the permit may need to be revised. Irrigation lines to these fields is being installed.

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Signature

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ADD ADDITIONAL SHEETS AS NECESSARY

WKS  
GT Co



# STAFF REPORT

Michigan Department of Environmental Quality, Waste Management Division

<input checked="" type="checkbox"/> Groundwater/Pt.31	<input type="checkbox"/> Liquid Ind.Waste/Pt.121	<input type="checkbox"/> Complaint Inspection	<input type="checkbox"/> Corrective Action
<input type="checkbox"/> Hazardous Waste/Pt.111	<input type="checkbox"/> Scrap tire/Pt.169	<input type="checkbox"/> Compliance Inspection Construction/Closure Inspection	<input type="checkbox"/> Sampling Inspection Telephone Call
<input type="checkbox"/> Solid Waste/Pt.115	<input type="checkbox"/> Other	<input type="checkbox"/> Permitting Inspection	<input type="checkbox"/> Meeting Notes
		<input type="checkbox"/> PEAS Investigation	Other_complaint__

Facility/Site Name Williamsburg Receiving	Date/Time 5/2/02
Address Angell Road, Williamsburg	Facility/Site Number
Participants/Contacts Janice Heuer, Sy Paulik	Staff Janice Heuer

## REFERRED TO:

### REMARKS (weather, unusual conditions, etc.):

Arrived at site via Munro Road. Observed discharge from stormwater pipe into ditch along Munro Road. Water flows from ditch along Munro, crosses Angell and into stormwater basin at Munro and Angell and into wetland that was filled and "restored". Followed pipe to stormwater collection basin. Continued to follow flow of water along parking lot. In several places water is routed through pipes under driveways or through pipe from upper elevation connected to brine pit areas.

Ran into Rick Banwell while in parking lot and discussed the purpose of the site visit. I indicated that we were investigating possible sources of BOD loading to storm drains. Also observing why storm drains run water when less than 100 year storm event is occurring. (We wished to observe during rain event, and it was raining.) Banwell didn't seem familiar with 100 year storm concept.

Observed runoff from the home construction area. Bare slope is eroding into storm basins. Photo taken of small "waterfall" where erosion is severe. Discussed location of irrigation. Most of the runoff and erosion is occurring in an area that is not irrigated with waste.

Discussed method of filling brine pits. An employee was pumping a pit into the building via a long hose. Banwell indicated that pits are filled in the same way. Observed that brine pit runoff is directed to an unlined area south and east of the pits. A white approx. 4 inch pvc pipe stuck out from under the pit area and drained water into the pit runoff basin. Banwell didn't know the source of the water, but later discussions with Chris Hubbel indicated water is collected from the asphalt that runs between the brine pits and is directed to a center pipe like a manhole. This pipe drains the manhole. In later discussion, I told Hubbel that the drainage ruins any secondary containment value of the asphalt.

I walked with Banwell and Paulik along the parking areas and discussed possible BOD sources. I pointed out lugs of cherry waste, possible brine pit spill runoff from the newly constructed north brine pit area, and later, additional cherry pits, and manure spreader filled with cherry waste. All these were parked in the lot that runs into the stormwater basins draining into Munro ditch.

Banwell asked if we needed to talk with Hubbel. I indicated we didn't need to bother him, that we had seen what we needed in the parking lot. However, as we were leaving, Hubbel and Banwell drove up. I repeated that we intended to view possible sources of BOD. We indicated the areas of possible BOD loading. When discussing the brine pit areas and lack of containment, Banwell began to argue why should they need secondary containment? I indicated I wasn't prepared to argue the regulations with him, but I was informing him of what the law is. I also indicated that the DEQ would like to consider a variance to this regulation for them, but we haven't yet received the needed documentation from them to even consider such a variance. The DEQ must have the data on the lining of brine pits.

Hubbel volunteered that maybe stormwater from upper clean areas could be directed away from the basins constructed to collect up to 100 year storms from parking areas and new construction. He acknowledged that the areas do not hold 100 year storms because of the additional flow from high ground. If stormwater from the construction areas could be contained on site there would be no need to worry about surface water flows to the wetland. Hubbel also volunteered that some of the fruit waste could be stored in the buildings to avoid runoff to storm drains, and avoid the BOD loading.

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*Janice Heuer*

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## STAFF REPORT

Michigan Department of Environmental Quality, Waste Management Division

☒ Groundwater/Pt.31     ☐ Liquid Ind.Waste/Pt.121  
☐ Hazardous Waste/Pt.111     ☐ Scrap tire/Pt.169  
☐ Solid Waste/Pt.115     ☐ Other \_\_\_\_\_

☐ Complaint Inspection     ☐ Corrective Action  
☐ Compliance Inspection     ☐ Sampling Inspection  
    Construction/Closure     Telephone Call  
☐ Inspection     ☐ Permitting Inspection  
☐ PEAS Investigation     ☐ Meeting Notes  
    Other\_complaint\_\_\_\_\_

Facility/Site Name Williamsburg Receiving	Date/Time 5/17/02
Address Angell Road, Williamsburg	Facility/Site Number
Participants/Contacts Janice Heuer, Chris Hubbel, Rick Banwell	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

Complaint received on 5/16/02 that facility's irrigation spray was spraying road and of ponding and pooling in spray field. Arrived in morning of 5/17/02 around 9:00. Road next to field was dry, but Hubbel and Banwell indicated that when they irrigated yesterday the wind shifted and spray began to "mist" the road. They said it was not direct spray, but was wind-blown mist. They indicated that they stopped pumping when they became aware of the overspray. Banwell estimated that they irrigated about an hour. I counted 5 spray heads, which did not appear to be adequate to evenly distribute the water. I made a comment to that effect, and Hubbel said he'd like to change their application method.

The field was moist, but I did not observe any ponding or pooling of irrigated water. I was concerned that the field might be muddy and soft, but the truck drove on the soil without getting stuck in the mud. Drove up next to the irrigation pond and got out of the truck. No odors were detected. I indicated that the Department had also received complaints of odors over the weekend, especially 5-12. I asked if they had irrigated then, and Hubbel said no. I asked if the facility had sampled yesterday, and Banwell said no. I emphasized that they must sample monthly when irrigating. This is a new month, their last sample was taken in March and they must sample this month because they were irrigating this month. Hubbel and Banwell discussed where they can take the sample, and said they would sample today if they irrigate today.

Drove to a new field area that is being cleared of fruit trees. Got out and felt the sandy soil. It appears relatively flat, with some slopes. Hubbel indicated he would like to get an irrigation rig that is pulled out by a tractor and then creeps back via a cable, irrigating the field in a line as it travels. The rig path can be changed to get full coverage over a season. I stated that the field appears suitable for irrigation but that he must put his plans in writing and supply soil maps and loading rates in order for the DEQ to evaluate the proposal. The DEQ can then determine if it is a minor modification that can be approved without a permit modification.

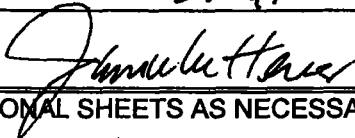
Also discussed the problem of high brine loads going to the lagoon. Hubbel said Andy Smits has suggested some pretreatment options for the brine, such as adding a flocculent, and reverse osmosis filtration. The facility can then work with the road commission to dispose of the high brine water as dust control water. Hubbel said the road commission has expressed some interest in using the brine water. He indicated that they have not yet received a report from Smits, so they aren't sure yet what they plan to do to treat the water.

Drove to the mitigated wetland area. Hubbel asked if he keeps stormwater out of the wetland, would it be unregulated. I agreed that it would be best to keep stormwater on site so it doesn't need a surface water permit. Also observed that the facility is digging up the stormwater retention areas that have filled in with sediments and cattails. They are modifying the slope to keep the drainage on site, according to Hubbel.

Also discussed that the original permit application was inaccurate. Hubbel blamed his consultant at the time for that, but says he'd like to get an accurate permit.

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ADD ADDITIONAL SHEETS AS NECESSARY

EQ-5114 (REV.1/97)

## STAFF REPORT

Michigan Department of Environmental Quality, Waste Management Division

☒ Groundwater/Pt.31     ☐ Liquid Ind.Waste/Pt.121     ☐ Complaint Inspection     ☐ Corrective Action  
☐ Hazardous Waste/Pt.111     ☐ Scrap tire/Pt.169     ☐ Compliance Inspection     ☐ Sampling Inspection  
☐ Solid Waste/Pt.115     ☐ Other \_\_\_\_\_     ☐ Construction/Closure     ☒ Telephone Call  
☐ Permitting Inspection     ☐ Meeting Notes  
☐ PEAS Investigation     Other complaint \_\_\_\_\_

Facility/Site Name Williamsburg Receiving	Date/Time 8/19/02 <i>should be 8/14/02</i>
Address Munro and Angel Roads	Facility/Site Number
Participants/Contacts Janice Heuer, Sy Paulik, Rick Banwell, Chris Hubbel	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

Small amount of rain in the morning, high humidity combined with still air prompted me to be concerned about the odor control measures instituted at the site. Also to evaluate stormwater catch basins. Williamsburg attorney Joe Quandt had indicated that Mr. Hubbel is not discharging waste, and I also needed to verify this.

At the site we were met by Banwell and Hubbel. We requested to see how wastewater is now handled. We were shown 5 approx. 20,000 gallon tanks used to hold wastewater generated from current processing activities. Only cherry finishing is being conducted. They are not pitting cherries. Water is hauled about 3-4 times per day. Hubbel did not have an estimate of volumes hauled. He said Smits (Inland Seas Engineering) is keeping the data on that. Hubbel also showed us the sump area. Water is collected from the process into the concrete sump, pumped over the hydrosieve into a second part of the sump and then pumped from a drywell into the frac-tanks. Floor drains from the pole building that houses the frac-tanks also drain into the sump. The dumpsters that have leaked in the past also are stored in the pole building. I was wearing a hydrogen sulfide meter. The sump smelled anaerobic, but nothing registered on the meter, which is sensitive to 1 ppm H<sub>2</sub>S. Most odors seemed to come from the pile of fruit waste from the hydrosieve. See diagram below.

Proceeded to the brine pit area. The facility plans to abandon the pits owned by Gray and Company. Small amount of water noted in the stormwater basins and basin east of the pit area. Discussed stormwater issues related to the basin. Sy suggested eliminating spills, or putting spilled brine back into the process so that it doesn't add BOD and other contaminants to the stormwater basins.

Viewed the treatment lagoons. They have been pumped down to 5-1/2 feet at one end. It is probably deeper in the sump area. Hubbel estimated that the pond can get to be 18 ft. deep. (I'm not sure this is accurate.) Viewed where Kalcon drives in to pump from pond. Waste is hauled to Reed City POTW. See diagram below for aeration layout. Aerators were running at full blast. Some floating grey scum is swirling around the pond. Odors were strong on the north side of the lagoon but very slight elsewhere.

Discussed the brine pit liners with Hubbel. I said that Mr. Quandt's letter says that the brine pits are double lined with 40 ml pvc. We had been told previously that the lower liner was a very thin plastic. Hubbel said he thinks Quandt's information is incorrect, and he will check into it.



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*Janice Heuer*

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WRS  
G.T. Co

# STAFF REPORT

Michigan Department of Environmental Quality, Waste Management Division

X Groundwater/Pt.31	<input type="checkbox"/> Liquid	<input type="checkbox"/> Complaint Inspection	<input type="checkbox"/> Corrective Action
Hazardous	Ind.Waste/Pt.121	<input type="checkbox"/> Compliance Inspection	<input type="checkbox"/> Sampling Inspection
Waste/Pt.111	<input type="checkbox"/> Scrap tire/Pt.169	Construction/Closure	X Telephone Call
Solid Waste/Pt.115	<input type="checkbox"/> Other _____	Inspection	<input type="checkbox"/> Meeting Notes
		<input type="checkbox"/> Permitting Inspection	Other_complaint_____
		<input type="checkbox"/> PEAS Investigation	

Facility/Site Name Williamsburg Receiving	Date/Time <i>Should be</i> 8/29/02 <i>8/19/02</i>
Address Munro and Angel Roads	Facility/Site Number
Participants/Contacts Janice Heuer, Sy Paulik, Rick Banwell, Chris Hubbel	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

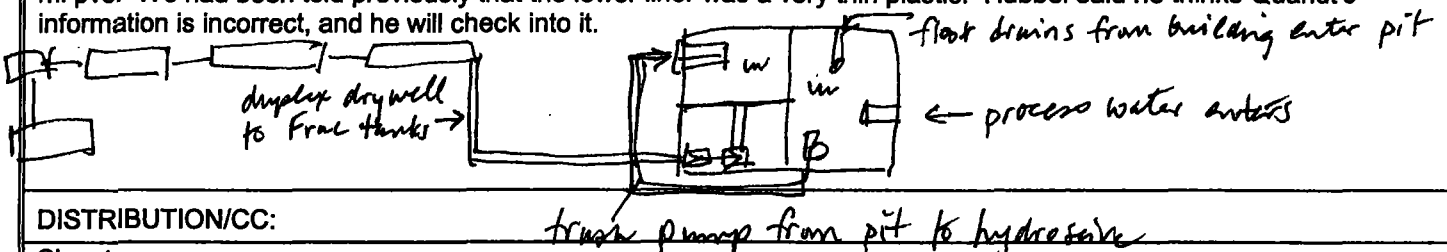
Small amount of rain in the morning, high humidity combined with still air prompted me to be concerned about the odor control measures instituted at the site. Also to evaluate stormwater catch basins. Williamsburg attorney Joe Quandt had indicated that Mr. Hubbel is not discharging waste, and I also needed to verify this.

At the site we were met by Banwell and Hubbel. We requested to see how wastewater is now handled. We were shown 5 approx. 20,000 gallon tanks used to hold wastewater generated from current processing activities. Only cherry finishing is being conducted. They are not pitting cherries. Water is hauled about 3-4 times per day. Hubbel did not have an estimate of volumes hauled. He said Smits (Inland Seas Engineering) is keeping the data on that. Hubbel also showed us the sump area. Water is collected from the process into the concrete sump, pumped over the hydrosieve into a second part of the sump and then pumped from a drywell into the frac-tanks. Floor drains from the pole building that houses the frac-tanks also drain into the sump. The dumpsters that have leaked in the past also are stored in the pole building. I was wearing a hydrogen sulfide meter. The sump smelled anaerobic, but nothing registered on the meter, which is sensitive to 1 ppm H<sub>2</sub>S. Most odors seemed to come from the pile of fruit waste from the hydrosieve. See diagram below.

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*Janice Heuer*

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**STAFF REPORT**

Michigan Department of Environmental Quality, Water Bureau

*Williamsonburg rec  
+ SAS  
G.T. Co*☐ Complaint Inspection☒ Permitting Inspection☐ Corrective Action

Compliance Inspection

☐ PEAS Investigation

Telephone Call

☐ Construction/Closure  
Inspection☒ Meeting Notes☐ Other complaint

Facility/Site Name WRS	Date/Time 4-20-05
Address	Facility/Site Number
Participants/Contacts Chris Hubbel, Brian Smith	Staff Janice Heuer

**REFERRED TO:****REMARKS (weather, unusual conditions, etc.):****ACTIVITY:**

Met to discuss permit options for cherry process wastewater. Wastewater is currently going to the lagoon and aerated. Smith indicated that the water from sweetening has been separated out of the flow stream so that only pitting water and what was from the RO units has gone into the lagoon this year.

During the meeting we discussed utilizing the existing permit to discharge water that meets permit requirements. Also I showed Brian the R2210 option for disposal of non-contact cooling water. He asked if they can irrigate it. I said yes. We also discussed use of tanks to aerate waste before sending the water to the lagoon. I suggested doing some batch studies with aeration to see if the BOD will be treated through aeration. Nutrients are low in the waste, therefore aeration alone in a tank may not allow bacteria to react. I also described that a lagoon may have an anaerobic zone at the bottom that you don't want to stir up. They are able to adjust some of the aerators to aerate only the top of the lagoon. I discussed the need to collect hydrogeological data and told them to expect that they'd do groundwater monitoring with future permits.

Discussed permit reapplication. I indicated they should include in their application the water that was found to be unpermitted last summer. Also warned them of public notice requirements.

Toured the site. Observed water in the storm water pond on the north side of the wastewater building. I asked what the water was from. It had rained the night before. Brian stated he didn't know, but Chris indicated the water was storm water. He said water even flows down Angel road onto their property down the drive and into the basins.

The lagoon was aerated. Observed black scum around the edges and foaming. Some cattails were chewed up and floating in the water. The water level was at maximum, entering the overflow rocks. I was immediately hit with odors as I walked up to the lagoon on the down-wind side. Anaerobic, acidic briny smell. However, on the upwind sides, the odors were not detected even when standing adjacent to the lagoon. Also, odors were generally not detected downwind at the road. Only an occasional draft of smell which may have been from a process building (or lagoon.)

Weather was cool and breezy. Not the best weather to detect problem odors.





Williamsburg Rec. & Sto  
G.T. 10

### STAFF REPORT

Michigan Department of Environmental Quality, Water Division

☒ Complaint Inspection

☒ Permitting Inspection

☐ Corrective Action

☐ Compliance Inspection

☐ PEAS Investigation

☐ Telephone Call

☐ Construction/Closure  
Inspection

☒ Meeting Notes

☐ Other complaint

Facility/Site Name Williamsburg Receiving and Storage	Date/Time 6-6-2005
Address	Facility/Site Number
Participants/Contacts Al Retlewski (AQD), Chris Hubbel, Brian Smith	Staff Janice Heuer

#### REFERRED TO:

#### REMARKS (weather, unusual conditions, etc.):

#### ACTIVITY:

Complaints regarding odors over the weekend were left on voice mail with both Retlewski and me. Two different people complained, one across Munro Road, and the second living on Angel Road. Also received a call and spoke with the Whitewater Township supervisor, Larry Long. Long indicated he had been over to WRS this weekend and saw spray irrigation. He suggested that irrigation was what caused the odors. Irrigation area was in a ravine in some brush. Also observed this on May 5, 9AM. 10-12 sprinklers, spraying 12-15 ft. high. Long stated he had received calls from Kinney's, Boal's, and Fox. Also that he could smell odors this morning on Angel Road. I called WRS to let them know I would be up.

Retlewski and I traveled to the site and drove slowly on Angel Road to do a quick odor assessment. A slight humid, anaerobic type of odor was detected at several locations. Drove to the WRS office, signed in and asked for Chris Hubbel. Walked to the stormwater ponds. He indicated that irrigation is from this pond, to remove standing water. Observed pond. It had black water in the bottom. I could see the irrigation hose leading from the pond bottom up to the spray field.

Walked to the lagoon. It was very windy and sunny. On the upwind side I couldn't smell anything. Al and I walked to the downwind side. As we passed an area where brush stills the air, I smelled very strong odors. I proceeded to walk downwind and the odor continued very strong. It became almost overwhelming. I had thought with the strong wind I could regain breath, but had to breathe in very shallow gasps. I had to walk up onto a higher point above the pond to begin to breathe again. I immediately walked around to the upwind side. I had a headache the rest of the day.

Observed the area that was receiving stormwater spray. Only two spray heads, but gun type units that deliver a heavy amount of water. The short grass on higher ground was black and dead. It was dry and dead. The long grasses in the ravine area looked like they had vigorous growth. I walked down to them and observed that the lower stems on the grass and soil was also blackened.

Walked back to the storm pond. Took samples for DEQ and duplicates that I gave to Chris Hubbel. There were two areas of water in the pond. The lower area was black. The upper area near a stormwater pipe was clear. Sampled both areas. Also observed that soils on the perimeter of the pond (upper slope) were red, rust colored. Chris had indicated earlier that he had often observed that water pushes up from the bottom of this area when there were brine pits. Brine pits when empty would balloon up from the bottom. When they were full of water and cherries, the liners would stay full.

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**STAFF REPORT**

Michigan Department of Environmental Quality, Water Division

*Williamsburg  
Rec. + Sto  
G.T. CO*☒ Complaint Inspection☐ Permitting Inspection☐ Corrective Action☐ Compliance Inspection☐ PEAS Investigation☐ Telephone Call☐ Construction/Closure  
Inspection☐ Meeting Notes☐ Other complaint

Facility/Site Name Williamsburg Receiving and Storage	Date/Time 7/19/2005-9/2/05
Address	Facility/Site Number
Participants/Contacts Chris Hubbel,	Staff Janice Heuer

**REFERRED TO:****REMARKS (weather, unusual conditions, etc.):****WRS site visit 7-19-05**

Drove to Williamsburg Receiving and Storage (Cherry Blossom). On the way drove through the Hubbel receiving station located on Elk Lake Road. Observed that the station is cooling cherries. I didn't see evidence of any other type of water discharging at the station. Drove to the plant and asked for Hubbel.

Hubbel accompanied me to the Paradis property. On the way there passed by brine pits that were full, most of them covered, but one still uncovered. The pits, located south of the lagoon were largely full. Stopped at the lagoon and walked around. Slight odors detected on the downwind side. Aerators had been removed. The water was still dark brown. The water level was up to the overflow rocks. Walked along the rocks to see if there had been any sign of overflow, but did not observe any overflow.

Drove with Hubbel to the site where former discharge occurred (Paradis property). A dozer was parked next to the site. Soils were wet. Hubbel indicated that the ground was too wet to use the dozer in the bottom of the area. All standing water has soaked into the ground. Hubbel also described to location of the water and included the pipe from where the water had emerged. The ground in this upper area had been tilled. No standing water observed.

Hubbel was anticipating delivery of pvc liner material to use as a cover for the lagoon. The trucks arrived as I prepared to leave the site.

Drove to the spot on Munro road where water was reported to have crossed under the road. My intention was to have followed the water route into the field on the east side of the road. Grass was very high. There was evidence that water had crossed the road because there was standing water in the culvert pipe. I began to walk along side the flow path but very quickly came to the conclusion that water had soaked in and that the land was uneven enough and so heavily vegetated that I could not tell how far it may have flowed into the field.

On the east side of Munro road I could smell the putrid water. After hunting through tall weeds I saw standing water. Returned to the car to get sampling bottles. When I approached the water from a different angle I could see it was ponded in an area about 5 ft. x 5 ft., but the boundaries were unclear because of the thick vegetation. Stepped close to the pond to gather the sample and sunk up to my knee in soft briney mud. Samples refrigerated over night and mailed to the lab 7-20-05.

**7-22-05**

Prior to driving to the office, stopped at the tart cherry receiving station run by the Hubbel family. Requested that we be allowed to look in the field where cooling water flows. Granted permission. Sy Palulik and I walk along the flow path of cooling water. Some erosion noted, but no odors or discolored water that would suggest other types of water might be discharged in the area.

Paulik took me to Munro road where water had flowed from the Paradis property and crossed under the road. Sy pointed out the path of brown vegetation that could trace the brine path.

At the WRS site The cover over the lagoon has reduced odors considerably. However air bubbles are lifting the cover somewhat. Hubbel indicates that outside air was trapped when the cover was installed. I express concern that some of the air may be due to biological activity in the water. The cover is anchored by soil place along the edges of the water.

Paulik, Hubbel and I drive to the Paradis property. Sy described to me the location of the water as it had discharged on the property. The dozer is in the same place as on 7/19. It appears that no further work has been done there. The upper discharge area has been tilled.

The treatment building is very smelly. Large waste containers hold solid waste. In the heat the fruit waste is rotting, attracts flying insects and stinks. Observe the process where cherries are brought in by farmers and the fruit is placed in the brine pits. Wastewater from hauling the cherries is directed to a separate brine pit near where the brine is mixed and cherries placed. Hubbel asked if the hauling water can be returned to the farms. I state I am unsure. This is probably wastewater regulated under part 121. Hubbel states he is pumping the water to tanks and holding it on site.

7-28-05

Toured site with Hubbel, Paulik and student assistant, Theo VanAken. We walk the field near Paradis property in advance of touring the site. We observe that cherry pits are being land applied at the east of one field.

A number of housekeeping problems that result in discharge to stormwater basin or groundwater were observed. Sy takes photos of the problems. They include a sump located east of the treatment lagoon that has standing water in it. This is possibly located below the high water elevation of the lagoon and may be lagoon water that flows back from irrigation pipes. The piping was removed and irrigation area tilled and regarded, but water remains in the drain pipe area. Spills from loading brine cherries into the building, storage of solid wastes, uncovered cherry containers, brine spills and cherry juice from pits staining soils and parking lot area. A sump located north of the north brine pit area believed to be a valve pit for piping that goes to the lagoon. The valve pit is very deep (probably over our head) unguarded and full of smelly water. Stained soils from runoff from the hydro-sieve building was photographed. The stormwater pond contained brown and silty water. Samples of stormwater pond taken to OMI for analysis.

8-8-05

Toured site with Eric Chatterson and Hubbel. Odors in treatment building very strong. Almost impossible to walk through because of the smell. (Eric's words-enough to gag a maggot!) Cherry pitting solid waste held in building is also very strong smelling. All wet solid waste drips onto the floor and floor drains flow to the hydro-sieve area. Stormwater basin contains black and bubbly water. I Pointed out the flow path of stained soils and erosion path leading from the hydro-sieve building under the garage door and into the stormwater pond. Slight odors near lagoon. Anaerobic smell near the lagoon. Observed that air is trapped under the lagoon cover. According to Hubbel the trapped air is blown to different locations on the lagoon. Today the bubble was blown toward one end of the lagoon. Asked Hubbel how many cherry pits are full of waste. He indicated he isn't sure. Maybe 18. Also was not sure which pits held waste, but indicated that they have a map that they are keeping track of it. One open pit located on north brine area. Hubbel stated this pit is used to mix brine in and it is pumped to other pits as more brine is needed and added to the pits.

Discuss the proposed disposal area with Chatterson. I tell him a hydrogeo will probably have to be reviewed by him (or Doug).

8-10-05

Toured site with Sy Paulik and Theo VanAken. Purpose of inspection was to determine whether processing is stopped. Processing was taking place. Walked site with Brian Smith as Hubbel not available. Discussed the sources of stormwater contamination and additional groundwater contamination sources with Smith. Point out specifically the valve pit (a worker hazard as well as leak to groundwater), the sump near the lagoon, and the fact that spills occur when the trucks pump cherries into the building through the south wall. Smith indicates he will address the problems.

Air bubble under the lagoon cover has increased and is blowing to one side of the pond. Some odors noted at the lagoon. Odor has sort of a burned quality to it. Hubbel had previously indicated that this is the same smell that would rise from the lagoon when hydrogen peroxide was added to the water.

8-22-05

Hubbel pointed out what had been done to resolve the various issues discussed during the site inspection on 8-10. The water in the sump to the east of the lagoon is gone. Hubbel stated that the elevation of this sump is above the lagoon high water mark. This is difficult to discern by looking at it, but he stated that Elmers took survey elevations when the lagoon

was built and determined that water should not flow into the sump from the lagoon. The valve pit was also dry. Hubbel indicated that the water was due to a leaky valve. They pumped it down and repaired the valve. Only a small amount of water remains in the pit. It had rained so this didn't seem abnormal. (see rain measurements). Discuss treatment options for lagoon. Tour potential irrigation site. Mention that venting option reduces some limits. (Chloride relaxed somewhat, but phosphorus must be examined.) Also discussed possible relocation of processing plant to Kalkaska so they can be on city sewer. I said chlorides might be a problem but they BOD capacity. They would have to ask Kalkaska.

9-2-05

Odors detected at Angel and Elk Lake Road intersection when driving through. The DEQ had received numerous complaints regarding odor. I consider that the complaints are confirmed because the odor is distinct and definite as well as objectionable. I believe the lagoon is the source because it has a burned smell like garbage burning. Slightly anaerobic.

Met with Hubbel and toured site. During discussion of odors Hubbel again states he smells slight odors but does not find it objectionable even next to the lagoon. I think it is unpleasant and would not want to have the smell hanging around all of the time.

Again tour possible discharge area. Discuss possibly continuing with odor control plan by discharging the lagoon water and leaving until later the possible groundwater permit issue. Suggest hydro to determine if the new area is venting. Plant is not operating because holding capacity for wastewater is met. Workers were working on the breaks on a liquid hauling truck in the garage the east stall of the treatment building. Hubbel indicated he would begin hauling again, but expressed doubt that he can afford to stay in business if he must haul all of his wastewater. He said they are hauling to A-1 in Kalkaska.

Discharge area at Paradis property has been regraded. Soils are damp. I smell them and there is no brine smell, therefore conclude dampness is from precipitation.

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ADD ADDITIONAL SHEETS AS NECESSARY

EQ-5114 (REV.2003)



# STAFF REPORT

Michigan Department of Environmental Quality, Water Division

Williamsburg Rec.  
G.T. Co

☒ Complaint Inspection

☐ Permitting Inspection

☐ Corrective Action

☐ Compliance Inspection

☐ PEAS Investigation

☐ Telephone Call

☐ Construction/Closure  
Inspection

☐ Meeting Notes

☐ Other complaint

Facility/Site Name Williamsburg Receiving and Storage	Date/Time 9/20/05
Address	Facility/Site Number
Participants/Contacts Chris Hubbel,	Staff Janice Heuer

## REFERRED TO:

REMARKS (weather, unusual conditions, etc.):

*Sunny, breezy*

Odor complaints received from Elk Lake Trail area (last night). This mirrors numerous weekend complaints. Drive to Elk Lake Trail via Angel Road. Turn north from Angel and park. Note odors as I leave the car. Walk about a block (est 1/4 mile), noting a mild odor like an unpleasant humidity in the air. Odors are detectable, and identified as the same smell as Williamsburg lagoon but not strong. Drive south of Angel road on Elk Lake trail. Park and walk down the road. No odors detected in this area. Drive to Elk Lake Road. Park at the Cherry receiving station and walk along Elk Lake Road about 1/4 mile. Do not detect odors identified with the facility. Drive along Gay road with the windows down, stopping occasionally. No odors. Drive along Munro. Get out and observe area where former flow had passed underneath Gay road. Smell fresh apples that are being picked, but nothing unpleasant.

Meet with Hubbel. I indicate that we have received odor complaints. I ask if they have been doing anything different that may be releasing odors, but don't get a straight answer. Drive to lagoon. It stinks. After further discussion find out that Inland seas sampled the lagoon on Friday. H. states they pulled a boat across the lagoon and put a few holes in the cover and patched them. I observe the patches. The gas bubble is still there. Discuss possible method to vent the bubble through carbon canisters. I state I'm not sure if carbon will treat this type of odor, but he could experiment with it. I give H. a contact for carbon canister purchase.

Discuss Hydro issues. H. said they may put in a new source well upgradient of the site. We discuss the pro's and con's of having the discharge at the remote location. The dilution rate may end up the same for either site. Also discuss that fact that BOD may have to be treated. They are thinking about doing active treatment in treatment tanks inside of the building.

Observe sump pipe area to the east of the lagoon. It is dry. They have been bulldozing brush, stripping topsoil, regarding and replacing soil in this area. Valve pit has a small amount of standing water. H. states it is because there is clay in the soil. I state there may still be a slow leak and they should check it when they put on the valve stem.

Observe Paradis property. No odors, no wet soils. I ask what they are doing with the wastewater now. H. states they are still holding it in tanks. I question if they have hauled water off site. H. states they hauled a while ago, but are close to full and will have to haul more soon. He states they haul the highest chloride waste and finish off the load with the lower chloride. They haul to A-1 in Kalkaska. Also discuss whether a municipality, say Traverse City could handle the chloride load. I say I think they would have more success than Kalkaska because there is more dilution of flow.

Observe the stormwater pond. Continues to have standing water below the stain mark for higher water. Observe dead vegetation on sides but the cattails in the bottom are green. H. states he'd like to line the pond to use for treatment. I tell him there is a 100 foot isolation required for ponds from property lines.

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*Chris Hubbel*

Page 1 of 1

ADD ADDITIONAL SHEETS AS NECESSARY

Exemption 6 applies

09/20/05

S M T W T F S

AUGUST 2005

S M T W T F S

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OCTOBER 2005

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DAILY NOTES

263RD DAY 102 LEFT WEEK 30

Karen - REAS (KLP-oper. 35)  
WRS

8:31 Karen Scofield  
[REDACTED]

Terrible odor since 9pm  
last night

REAS Oper. 11  
Richard Holstone  
[REDACTED]

Worse than before I think  
they're released something  
new. Noticed at 9pm  
last night.

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Williamsburg Rec. + Sto  
G.T. Co

### STAFF REPORT

Michigan Department of Environmental Quality, Water Division

☒ Complaint Inspection

☐ Permitting Inspection

☐ Corrective Action

☐ Compliance Inspection

☐ PEAS Investigation

☐ Telephone Call

☐ Construction/Closure  
Inspection

☐ Meeting Notes

☐ Other complaint

Facility/Site Name Williamsburg Receiving and Storage	Date/Time 10/10/05 11:00-1:30
Address	Facility/Site Number
Participants/Contacts Chris Hubbel,	Staff Janice Heuer

#### REFERRED TO:

REMARKS (weather, unusual conditions, etc.): sunny, breezy

Odor complaint received regarding weekend conditions. Foggy conditions make me think odors might still be there. Drive to Elk Lake Road. Park at the Cherry receiving station and walk along Elk Lake Road about 1/4 mile. Do not detect odors identified with the facility. Drive to Elk Lake Trail via Angel Road. Turn north from Angel and park. Walk about a block (est 1/4 mile). No odors detected. Some men conducting survey work are on Elk Lake Trail. I ask if they have smelled anything. They say no. Drive south of Angel road on Elk Lake trail. Stop occasionally and stand next to the car. No odors detected in this area. Drive west on Angel to Elk Lake Road. See a woman walking her dog. I stop and discuss odors. She introduces herself as Kolak. I ask if she has smelled anything today. She states there are no odors near her home on Elk Lake Trail, but that the odor is "down in the swamp". I drive along Gay road with the windows down, stopping occasionally. No odors. Drive along Munro. Get out and observe area where former flow had passed underneath Munro. No odors here. Further south on Munro I can smell something as I drive. I get out and walk. The smell is localized near the pole building from the trees that are north of the stormwater pod all the way to Angel Road. It is detectable, identified as the burned ozone type smell coming from WRS as I walk along the east side of Munro road. It is distinct and objectionable (I'd rate it a "3" on the odor scale).

Meet with Hubbel. I tell him I was motivated to evaluate odors because of the foggy conditions. The fog has lifted, however and it is sunny with a slight stir of a breeze. Hubbel states the smell seems to have settled in the low area between the buildings and the west wall. I state I could smell it on Munro road. He admits he smelled it on the road as well. Drive to lagoon. On the way we observe the valve pit area. It is no longer a pit. Pipes extend above the ground and the pit is filled in with clean sand. There are four valves. One to the lagoon, one to the Peradis property, one to the area that was irrigated south of the lagoon. (The fourth?) Hubbel states the pipes are disconnected to the south irrigation area, but they are still in the ground because he may want to irrigate there in the future.

At the lagoon the odors are strong and the air bubble under the cover is blowing around. As we drive along odors become quite intense on the southeast end. The ozone smell is detected as well as a strong anaerobic smell. I find the anaerobic odor the most objectionable. Hubbel states the only way to eliminate smell is to remove the water. I tell him I want to hear his plans for a temporary odor control because water removal will take a long time. He says he plans to use a mist type of system that he used in the treatment building. He says the mist reacts chemically with the odors to eliminate them. He also says they are using ozone in the treatment building. I say that explains what I was smelling on Munro road.

Drive to Peradis property. There are a few small damp areas. I ask about them. Hubbel states that it rained hard on Friday. (It rained in Cadillac also). Get out of the truck. I detect no odors. Drive along Munro road. Hubbel states he can smell the odor as he drives.

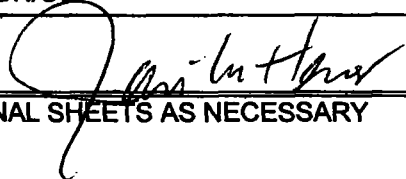
Observe the stormwater pond. Continues to have standing water below the stain mark for higher water. Observe dead vegetation on sides but the cattails are growing. Some odors detected but I think they are coming from the building where waste is stored. H says they applied for a renewal of the groundwater permit. I will have to check on this because their current wastewater character is probably not the same as what their former permit indicated.

Discuss Hydro issues. Hubbel states they plan to put in a new well east of the property. He also observes that they received a letter rejecting the hydrogeo proposal. I say this is regarding contamination tracking and it is required by the cleanup regulation (Part 201) H. asks how they can show that former practices may have led to contamination. I say that on purchase you can do an assessment, (base line report) but that it wasn't done in this case. Also he has the same use therefore you can't distinguish what might be contamination due to past practices. H. states they used to dump a lot of brine on the property (meaning Gray and Co.). I say there isn't a way to distinguish what brine came from where. We also discuss BOD leaching of metals. H. states the water is very hard at another site south of here. I say that if he can show the upgradient water is high in iron then he wouldn't be blamed for what is coming onto the site. I stress that it is important to characterize both upgradient and downgradient water. I also tell him I am not the geologist; that the review is done in Lansing. I hadn't read the letter (from the geologist) in great detail so am unable to advise him on it.

We also discussed current waste disposal. H. indicated they are hauling both high and low strength waste to A-1 in Kalkaska. He says it makes a big difference to separate the waste streams. I ask to see the High strength storage. We enter the production building. Waste and bulk corn syrup etc. are stored in huge tanks in the east side of the building in sort of an entry area. The piping is not "hard piping", but is a series of hoses. There are also two concentrators there which are used to concentrate used syrup to reach the required brix in the process. They are pressure tanks where water is boiled off and then condensed. I observed the condensate flowing to the floor drain. This leads to the hydrosieve area. H. stated that some of their sugar waste was hauled to another state (Cleveland? I forget) and processed into ethanol. He gave them a mixed load also that included some brine to see if that is a problem with their process. The brine load also was high in BOD, so there was some value to it (sugar). H. mentions that he might be able to concentrate some of the sugar waste with the concentrators and make it more useful as a raw material for further processing (ethanol or whatever).

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ADD ADDITIONAL SHEETS AS NECESSARY

EQ-5114 (REV.2003)



## STAFF REPORT

Michigan Department of Environmental Quality, Water Division

- ☐ Complaint
                     ☐ Permit Inspection
                     ☐ Corrective Action  
☐ Compliance Inspection
                     ☐ PEAS Investigation
                     ☐ Telephone Call  
☐ Construction/Closure Inspection
                     ☐ Meeting Notes
                     ☐ Other complaint

Facility/Site Name Williamsburg Rec. and Sto/ Cherry Blossom	Date/Time 11-9-05
Address Williamsburg, Grand Traverse County	Facility/Site Number
Participants/Contacts Chris Hubbell	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

Received a call from Chris Hubbell. The message was left at 6:40 A.M. Nov. 9 and indicated that there was a breach in the wastewater lagoon that spilled water at the site.

Drove to the site. Paused at Angel and Elk Lake road to roll down the windows of the car and smell the air. Detected an unpleasant, humid anaerobic odor. It was not strong at that location. Met with Hubbell and drove around the site. Photos taken of the lagoon breach, flooded stormwater basins, stormwater pond and water over the parking lot in several locations. (See photos) The treatment building appears to have a few inches of water on the ground.

Odors were very strong on site. In places I could only take shallow breaths. Yet the wind has been strong all day. The lagoon upper cover has been ripped. The berm was repaired with a dozer. The liner does not come up all the way to the top of the berm. Water is pumped up to the lagoon from the stormwater pond. Pumps are also removing water from the storm drains and pumping it up to two cherry pits. I asked Hubbell why he's placing some water in the pits. He said it is a matter of how long the hose is.

Hubbell stated that he got a call early in the morning (3 AM or so) that water was flowing down the hill. He stopped the flow as soon as he could with the dozer. He has been working to clean up the water since then. (I had also received a call this morning from Sandy Kinney who stated that the odors woke her up around 4 A.M. and kept her awake.) Hubbell said that he thinks that the wind blew the lagoon cover so it billowed up and may have weakened the berm. Also the rain might have played a roll in the accident, but he really doesn't know what happened.

Observed cherry boxes are moved all over in disarray on the parking lot. Hubbell said the wind toppled the boxes and they have also been moved out of the way. Observed the storm basin on the north end of the parking lot and brine pits near Munro road. Odors were intensely strong here. I saw that the ground had been bulldozed. Hubbell stated they re-plugged the pipe outlet that leads to Munro road.

Went back to Hubbell's office and discussed the problem. Hubbell had many questions regarding whether I thought he'd still be able to get a permit and whether he should continue to use his current consultant. I told him it is difficult to change consultants in mid stream, but there are many firms in the area that specialize in hydrogeological work and clean-up. I also said he'd have to make his own decisions about his consultant, if he is satisfied or not with his work.

Hubbell asked what else he should be doing about the spill. I said he does need to get the water off of the soils as soon as possible so pumping the water into lined areas is a good idea. However he will have to include the areas of the spill in the hydrogeological investigation that is already required for the site. I also suggested he call a waste hauler and start hauling waste off site as fast as he can to minimize the impact from the chlorides.

After leaving the office I drove down Munro road. I stopped periodically and looked in the ditch along Munro. I could see that soils were wet but it appeared that water had soaked into the ground. Odors were very strong from the ditch. The ditch had obviously seen some brine from the spill. I drove north past the stormwater pond and stopped at the overflow pipe that drains the stormwater catch basins (the pipe that Hubbell said he'd plugged.) There was an obvious water flow path from the pipe that beat down the grass. There was standing water below the pipe. It was clearly brine by its color and odor. Took photos of the grass, pipe and also the standing water. The water doesn't show up very well on the photo. Noted that odors were very strong along Munro road especially near the pipe where the standing water was located.

Returned to the office. Messages were left for me that the flow of water down Munro road traveled as far as the wetland to the south of Angel road. I had not observed that water as I had thought the water was soaked into the ditch along Munro and I hadn't followed the full length of the road ditch. Called Bob Carston of NMEAC who apparently observed the water in the wetland and sampled it. Left message as Bob was not in.

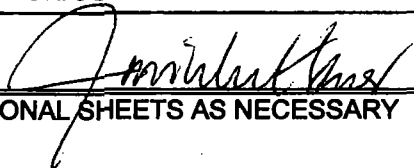
11-10-05 phone discussions with Bob Carston 231-938-5976

Carston will send me photos he took of the wetland. He told me his observations and that the smell from the water at Munro and south of Angel was very bad. Carston had taken two samples- one from Munro ditch and one from the west of parking lot on Angel between the lot and erosion control geofabric. He was willing to have his samples sent to a laboratory for analysis. He indicated that the odors were intense from the sample.

He had to keep the jars down his basement. He had collected them in a clean jar from his kitchen. They have not been refrigerated. Given that the jars were in question and sample not refrigerated I told him he could dispose of the samples and we would collect our own. I informed him of what was probably in the sample and that, while it was very smelly, he had not endangered himself by collecting it. Also thanked him for doing my job. Sy Paulik will follow up with sampling and with further DEQ response to spill.

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ADD ADDITIONAL SHEETS AS NECESSARY

EQ-5114 (REV.2003)

## STAFF REPORT

Michigan Department of Environmental Quality, Water Division

- ☐ Complaint
                                     ☐ Permit Inspection
                                     ☐ Corrective Action  
☐ Compliance Inspection
                                     ☐ PEAS Investigation
                                     ☐ Telephone Call  
☐ Construction/Closure Inspection
                                     ☒ Meeting Notes
                                     ☐ Other complaint

Facility/Site Name Williamsburg Rec. and Sto/ Cherry Blossom	Date/Time 11-15-05
Address Williamsburg, Grand Traverse County	Facility/Site Number
Participants/Contacts Chris Hubbell	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

Met Chris Hubbell at the site to review clean up efforts. The first thing I noticed when I got out of the car was the overwhelming, putrid odors. It smelled like vomit. I noticed that the odor was coming from the stormwater basin near where I parked. The standing water in the stormwater basins has been pumped out. The parking lot in front of the treatment building was no longer flooded. Hubbell had placed sand on the parking lot to absorb the rest of the water. I asked him what he plans to do with the sand. He said use it on the parking areas. The stormwater pond to the north of the treatment building has been pumped down. I could once again see cattails but it is not dry.

Drove up to the lagoon. The odors were so strong it was difficult to inspect the area as thoroughly as I had intended. The pvc cover has been ripped in places and there is standing water on top in places as well as air bubbles. It had rained so I couldn't see whether or not the water on top of the cover was rain or brine. Got out of the truck and photographed the same locations that I took pictures previously. Soils are wet. It is difficult to distinguish wet areas that are wet from precipitation versus those that may still contain brine. However brine tends to be whitish-milky colored and have a distinctive odor. I concluded that the brine is mostly pumped out of sandy areas or has soaked into the ground. Rain has further complicated clean-up. I looked at the part of the lagoon that has been repaired and briefly discussed the repaired area with Hubbell. H. said he is talking to the liner people about another cover which will have vents in it that can be connected to GAC for odor control. As I observed the waters edge I asked how the repair in the berm was made. It is just compacted earth. I asked about the liner. Hubbell indicated that the liner was ripped where the berm broke so there is no liner on the upper edge at that location. He admitted that the water extends above the lined area (it is not lined at the berm.) I mentioned that the moisture moving through the earth would make the berm unstable.

Drove with Hubbell to the Paradis property. The area looked unchanged. As we drove by the location where water had ponded near the source pipe during July, I noticed some bare ground. I asked Chris if they had done some digging. He stated that they have done no earth moving since summer. I got out of the truck. There were no unusual odors coming from the soil. While the earth was bare of vegetation in a few spots, it didn't look like it was freshly turned.

Pictures taken of the storm basins. Most of the standing water has been removed. Odors coming from the soil is very strong and putrid (like vomit). It seems that the smell from damp soil is worse than the brine water.

Drove to the wetland area south of Angell road. Hubbell stated that he plowed a low area so that water would pond so he could pump it out. There are obvious tracks and turned earth from heavy equipment. Took photos of this. Hubbell discussed possibly removing the soil. I asked him what he planned to do with the soil because it would be full of chloride. Hubbell said he'd like to spread the soil on his orchard trees. I told him it

would probably be full of salt that would kill his plants. He said he thinks it would enrich the plants because it is wetland muck and there is salt in fertilizer. I said that I thought the brine would harm the plants but it probably depends on the brine concentration. I said he could test the soil to determine chloride concentration.

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ADD ADDITIONAL SHEETS AS NECESSARY

EQ-5114 (REV.2003)

## STAFF REPORT

Michigan Department of Environmental Quality, Water Division

- ☐ Complaint
                     ☐ Permit Inspection
                     ☐ Corrective Action  
☐ Compliance Inspection
                     ☐ PEAS Investigation
                     ☐ Telephone Call  
☐ Construction/Closure Inspection
                     ☒ Meeting Notes
                     ☐ Other complaint

Facility/Site Name Williamsburg Rec. and Sto/ Cherry Blossom	Date/Time 11-23-05
Address Williamsburg, Grand Traverse County	Facility/Site Number
Participants/Contacts Sy Paulik, Chris Hubbell	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

Previous messages from the Township supervisor, Larry Lake indicated that somebody is spreading chicken manure and that there is an odor from this near WRS. In addition I wanted to check the cleanup progress. Drove to Township hall to speak with Lake, who was gone. Instead spoke with the Township Clerk, Treasurer and Zoning administrators. Answered many general questions about the WRS problems, groundwater contamination and recent spill. I asked them which farm might be spreading chicken manure, and had they noticed odors from this. They didn't know about the manure and hadn't received complaints, but suggested several farms in the vicinity.

Drove north on Elk Lake road with Sy Paulik. As we neared Angel we stopped in front of a farm. I got out of the car and sniffed the air. No unusual odors detected. Noted that winds are from the south and are strong. There are things that look like composting windrows on the edge of the field. Drove to Angel and Elk Lake. Stopped, no odors detected. About ½ mile north of Angel, stopped, noted a perfumy odor, but could not smell the WRS lagoon or manure. Continued north on Elk Lake. Stopped at Gay (perfume smell) and approximately ½ mile north of Gay. At an address of 11254 Elk Lake Road there was a smell that I took to be the chicken manure. It is different than what the lagoon smells like. It is slightly unpleasant but not overpowering. Somewhat anaerobic. I could see something piled by an outbuilding which may have been the source of the odor. Drove to the farmhouse and knocked but nobody answered the door.

Drove to Gay Road. Stopped and sniffed the air. Perfume smell. Turned south at Munro. Stopped about ½ mile south of Gay on Munro. Detected lagoon odor. As we continued down Munro the odor permeated the car. We didn't have to stop in order to smell it.

Stopped at the wetland south of Angel to observe if there had been any soil removal. There were truck tracks but I could not see soils had been removed at all.

Stopped in at the facility office and spoke briefly with Hubbell. Inquired as to the progress of cleanup. Hubbell stated that Smits and a crew were doing soil borings and conductivity readings this morning. Paulik said she left a message with Smits and wants to discuss the clean-up.

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ADD ADDITIONAL SHEETS AS NECESSARY

## STAFF REPORT

Michigan Department of Environmental Quality, Water Division

Williamsonburg rec.  
G.T. Co

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Complaint Inspection            | <input type="checkbox"/> Permitting Inspection | <input type="checkbox"/> Corrective Action         |
| <input type="checkbox"/> Compliance Inspection           | <input type="checkbox"/> PEAS Investigation    | <input checked="" type="checkbox"/> Telephone Call |
| <input type="checkbox"/> Construction/Closure Inspection | <input type="checkbox"/> Meeting Notes         | <input type="checkbox"/> Other complaint           |

Facility/Site Name WRS	Date/Time April 6, 2004
Address	Facility/Site Number
Participants/Contacts Brian Smith	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

## ACTIVITY:

Telephone conversation with Brian Smith regarding the fact that Reed City is not accepting WRS waste. Brian was upset because he was not informed how long it would be rejected and they were turned away without notice. He scrambled last week to find another facility that will accept high BOD and Chlorides. Ludington is taking one load per day and the rest is hauled to Northern A-1 in Kalkaska. A-1 puts liquid industrial waste through an RO filter and discharges to Kalkaska sewer. Kalkaska is unwilling to take it untreated because they would have to put additional treatment units on line. If WRS discontinues hauling in 6-8 weeks, Kalkaska would have to shut down the unit.

Discussed the potential filtration unit. Smith stated they want to get it running in 6-8 weeks. I asked if there would be waste water from the unit that will need future disposal. Water disposal will require a permit modification (or new permit). Smith said they plan to re-use all of the water but that they will have a small amount of concentrated chloride waste to get rid of or sell as product. They are checking with the road commission to see if they can use the chloride for dust control. I told him he should also check into deep well injection through Kal-Con (Kalkaska) or the well in Buckley. Brian stated they have been in contact with an injection well.

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ADD ADDITIONAL SHEETS AS NECESSARY

EQ-5114 (REV.2003)

## STAFF REPORT

Michigan Department of Environmental Quality, Water Division

Williamsburg  
Nursing  
G.T. Co.☐ Complaint Inspection☐ Permitting Inspection☐ Corrective Action☒ Compliance Inspection☐ PEAS Investigation

Telephone Call

☐ Construction/Closure  
Inspection☐ Meeting Notes☐ Other complaint

Facility/Site Name WRS	Date/Time March 1, 2004
Address	Facility/Site Number
Participants/Contacts Brian Smith, Chris Hubbel	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

## ACTIVITY:

Viewed brine pits. The purpose of the inspection was to evaluate the adequacy of the 6 ml polyethylene cover during winter conditions. The polyethylene is used to exclude precipitation. It is placed over the pits somewhat loosely so that the plastic sags onto the brine water and floats on top. Each pit had some freeboard (est. 6 inch minimum). Cover is anchored on all sides of the pit by double boards along the edge. Some pits had been emptied. Large blocks of ice were spilled over the edge into the storm water collection trenches.

The pits that were full were all covered. The polyethylene was damaged on the edges on some pits, Chris stated damage was from a forklift. The brine itself was not exposed from the damage, which had occurred where the pit cover was anchored. The polyethylene sags into the brine water. Then rain falls into the pit and freezes. The ice forms a second layer over the pit similar to a frozen plug on top of the polyethylene. Chris and Brian both indicated that the ice was strong enough to walk on. Chris explained that he wants to see the frozen plug created for winter storage. Snow and ice that falls on top of the pits will then be supported by the ice sitting on the poly cover.

I asked Chris if they need to access cherries during the winter for measurements etc. He said no, just if they want to empty them to process cherries in the pit. Then they have to dig out the ice, discard the ploy cover and pump out the brine cherries. I asked Chris how he can tell if there is a leak in the cover under the ice. He indicated that you can tell a leak because the water is so briny that it forms brine crystals on the edges. It has a different appearance than fresh water.

Chris also indicated that he plans to eventually provide indoor storage for brine operations. I asked him what sort of time frame. He said 5-7 years.

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ADD ADDITIONAL SHEETS AS NECESSARY

**STAFF REPORT**

Michigan Department of Environmental Quality, Water Division

☐ Complaint Inspection☐ Permitting Inspection☐ Corrective Action

Compliance Inspection

☐ PEAS Investigation

X Telephone Call

☐ Construction/Closure  
Inspection☐ Meeting Notes☐ Other complaint

Facility/Site Name WRS	Date/Time 7-27-04
Address	Facility/Site Number
Participants/Contacts Al Retlewski, Chris Hubbel, Brian Smith	Staff Janice Heuer

**REFERRED TO:****REMARKS (weather, unusual conditions, etc.):****ACTIVITY:**

Discharge flow to ditch through pipe est 2 hand widths (pipe) Water is one hand width, knuckle deep. Passes into ditch and liquid visible for approx. 80 yards. Odor bad, foam. PH 3. Samples taken

Met with Hubbel and Smith to determine source. Water flows into stormwater collection basin, rises above 100 yr flood overflow (100 yr?) and flows out pipe to ditch. Source is water that is used to transport sweet cherries. Trucks dump the cherry lugs into an open tank like vat. Cherries are removed from the vat by a conveyor to a second smaller tank where brine is added and then brined cherries flow to the brine pits. The receiving tank is then emptied onto the ground. Water flows directly to the stormwater basin. Odors noted as you walk up to the water.

Toured site. Lagoon has no odors. 14 brine pits have secondary containment added. About 50 pits total.

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Page 1 of 1

ADD ADDITIONAL SHEETS AS NECESSARY





MICHIGAN DEPT. OF  
ENVIRONMENTAL  
ANALYSIS

# FINAL REPORT HAS BEEN SENT VIA E-MAIL

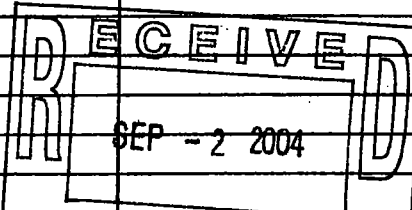
White

LAB WORK ORDER # <b>40700290</b>		SITE CODE NUMBER		SITE NAME <b>WRS</b>		CIRCLE 0					
DIVISION <b>WD</b>		DISTRICT/OFFICE <b>Cadillac</b>		MDEQ PROJECT MANAGER <b>Janice Hener</b>		E-MAIL ADDRESS <b>henerj@michigan.gov</b>		PHONE <b>231 775 3960</b>		7. RRD-SUPERFUND- Federal	
PRIMARY CONTACT PERSON <b>Janice Hener</b>		CONTRACT FIRM NAME (if applicable)		PHONE <b>231 775-3960 X6203</b>		AY: <b>04</b>		INDEX: <b>37809</b>		PCA: <b>42202</b>	
1ST CHOICE:		OVERFLOW LAB (Required for Funded RRD & CMI samples)		2ND CHOICE:		E-MAIL ADDRESSES TO SEND ADDITIONAL REPORTS TO:		PROJECT: <b>481004</b>		PH: <b>42202</b>	
COLLECTED BY: <b>Janice Hener</b>		PHONE: <b>231 775-3960 X6203</b>									

\*\*\*\* SAFETY INFORMATION REQUIRED \*\*\*\*

## SEE BACK OF FORM

LAB USE ONLY	SAMPLE DESCRIPTION	SAMPLE COLLECTED		COMMENTS
		DATE MM/DD/YY	TIME MILITARY	
1	AA 36391 Sample #1	07/26/04	2030	Kinney collected - odor
2	AA ↓ 92 Sample #2	07/27/04	1030	odors
3	AA			Samples Received
4	AA			Warren
5	AA			
6	AA			
7	AA			
8	AA			
9	AA			
10	AA			



WATER DIVISION  
CADILLAC DISTRICT OFFICE

ORGANIC		GENERAL CHEMISTRY		INORGANIC	
VOA VOLATILES (8260)	Full List 1 2 3 4 5 6 7 8 9 10	DO Diss Oxygen 1 2 3 4 5 6 7 8 9 10	GN NO <sub>3</sub> o-Phos 1 2 3 4 5 6 7 8 9 10	MA Total Metals 1 2 3 4 5 6 7 8 9 10	
BTEX/MTBE/TMB only 1 2 3 4 5 6 7 8 9 10		Residue SS 1 2 3 4 5 6 7 8 9 10	Residue TDS 1 2 3 4 5 6 7 8 9 10	MAD Diss-Field Filtered 1 2 3 4 5 6 7 8 9 10	
ON PESTICIDES/PCBS (8061/8082)	Pesticides & PCBs 1 2 3 4 5 6 7 8 9 10	BOD Tot 5 day 1 2 3 4 5 6 7 8 9 10	BOD Carb 5 day 1 2 3 4 5 6 7 8 9 10	MD Diss-Lab Filtered 1 2 3 4 5 6 7 8 9 10	
Pesticides only 1 2 3 4 5 6 7 8 9 10		Turbidity 1 2 3 4 5 6 7 8 9 10			
PCBs only 1 2 3 4 5 6 7 8 9 10		CA Chlorophyll 1 2 3 4 5 6 7 8 9 10			
BNA BASE NEUTRAL & ACIDS (8270)	BNAs 1 2 3 4 5 6 7 8 9 10	GA COD 1 2 3 4 5 6 7 8 9 10	TOC 1 2 3 4 5 6 7 8 9 10		
PNAs only 1 2 3 4 5 6 7 8 9 10		NO <sub>3</sub> + NO <sub>2</sub> NH <sub>3</sub> 1 2 3 4 5 6 7 8 9 10	KJEL N Tot P 1 2 3 4 5 6 7 8 9 10		
BNs only 1 2 3 4 5 6 7 8 9 10		S Sulfide 1 2 3 4 5 6 7 8 9 10			
ACDs only 1 2 3 4 5 6 7 8 9 10		GP Phenolics 1 2 3 4 5 6 7 8 9 10			
SPECIAL REQUESTS		GB Total CN 1 2 3 4 5 6 7 8 9 10			
Library Search (Qualitative)		Amenable CN 1 2 3 4 5 6 7 8 9 10			
Volatiles 1 2 3 4 5 6 7 8 9 10		GCN Available CN 1 2 3 4 5 6 7 8 9 10			
Semivolatiles 1 2 3 4 5 6 7 8 9 10					
FingerPrint 1 2 3 4 5 6 7 8 9 10					

Chain-of-Custody	RELEASED BY / ORGANIZATION		RECEIVED BY / ORGANIZATION		DATE	TIME
	Print Name & Organization	Signature	Print Name & Organization	Signature		
	<b>Janice Hener MDEQ - WD</b>		<b>D. Scott Reed DEQ</b>			
	<b>Drop UPS</b>					
	Print Name & Organization	Signature	Print Name & Organization	Signature	7/29/04	1155
	Print Name & Organization	Signature	Print Name & Organization	Signature		

Exemption 6 applies

## STAFF REPORT

Michigan Department of Environmental Quality, Water Division

- ☐ Complaint Inspection
 ☐ Permitting Inspection
 ☐ Corrective Action  
☐ Compliance Inspection
 ☐ PEAS Investigation
 Telephone Call  
☐ Construction/Closure Inspection
 ☐ Meeting Notes
 ☐ Other complaint

Facility/Site Name Williamsburg Receiving	Date/Time March 17, 2003
Address Williamsburg	Facility/Site Number
Participants/Contacts Sy Paulik, Water Division, Chris Hubbel	Staff Janice Heuer

## REFERRED TO:

## REMARKS (weather, unusual conditions, etc.):

## ACTIVITY: Site inspection

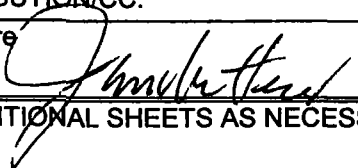
One call was received that indicated a slight odor was noted in the vicinity of Williamsburg Receiving. Snow melt was also occurring, therefore the purpose of the inspection was to assess stormwater handling, secondary containment of brine storage and the condition of the wastewater lagoon. We also observed that hauling of the process water is continuing. Hubbel indicated that he would like to haul his own waste. I told him he could get his owned waste hauling license without too much cost (mostly insurance). He stated he already has the trucks and drivers. Also discussed membrane technologies for treating brine waste. I asked him what he would do with the concentrated portion. Hubbel stated his hope to concentrate waste brine to the point that it is a filter cake solid that could go to a landfill.

During the inspection at least two wastewater trucks entered the property and hauled process water from the storage tanks located inside the WRS storage building. We entered the building and also walked around the building to where the hydro-sieve unit is housed. Only a very slight whiff of odor was observed near the building. Snow melt water was ponded in various locations on the property in areas graded to receive stormwater flow. Cherry processing debris was not stored in parking or stormwater holding areas.

The lagoon was still frozen. I concluded that odors may have been the result of pumping water for hauling to Reed City. Discussed the fact that the lagoon may smell after the ice melts, therefore aeration will have to continue. Brine pits are full only in the south brine area. No ponding noted attributed to runoff from the pit area. Brine pits to the north contain stormwater according to Hubbel.

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ADD ADDITIONAL SHEETS AS NECESSARY